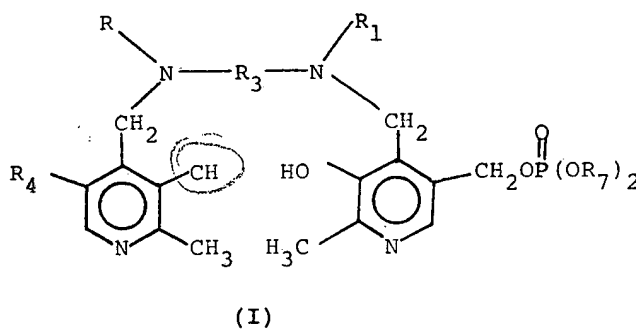


Same page, line 30, please change "cis-1,2" to read  
-- cis-1,4 --.

IN THE CLAIMS

Please cancel without prejudice finally rejected claims  
1-8 and 10-19 and substitute therefor the following claims:

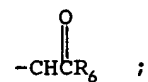
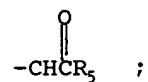
~~55.~~ A metal ion chelate of a chelating compound of the  
formula:



wherein:

R is hydrogen or

R<sub>1</sub> is hydrogen or



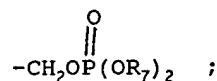
with the proviso that at least one of R and R<sub>1</sub> is other than  
hydrogen;

R<sub>5</sub> and R<sub>6</sub> are each, independently, hydroxy, alkoxy  
having from 1 to 18 carbons, hydroxy-substituted alkoxy having  
from 1 to 18 carbons, amino, or alkylamido having from 1 to 10

carbons;

$R_3$  is alkylene having from 1 to 8 carbons, 1,2-cycloalkylene having from 5 to 8 carbons, or 1,2-arylene having from 6 to 10 carbons;

$R_4$  is hydrogen, hydroxymethyl, alkyl having from 1 to 6 carbons, or



each  $R_7$  is, independently, hydrogen, hydroxy-substituted alkyl having from 1 to 18 carbons, or aminoalkyl having from 1 to 18 carbons, ~~or a salt thereof~~; and

the chelated metal ion is a paramagnetic ion of a metal having an atomic number of from 21 to 29, inclusive, 42, 44, or from 58 to 70, inclusive, *physiologically biocompatible inorganic or organic* or a salt of said metal ion chelate.

2/1  
Cont'd  
E

<sup>2</sup> 56. A metal ion chelate according to claim <sup>1</sup> 55 wherein  $R$  and  $R_1$  are each other than hydrogen, or a salt of said metal ion chelate.

<sup>3</sup> 57. A metal ion chelate according to claim <sup>1</sup> 55 wherein each  $R_7$  is hydrogen, or a salt of said metal ion chelate.

<sup>4</sup> 58. A metal ion chelate according to claim <sup>1</sup> 55 wherein  $R$  and  $R_1$  are each other than hydrogen,  $R_5$  and  $R_6$  are each, independently, hydroxy, alkoxy having from 1 to 8 carbons, hydroxyethyl, dihydroxypropyl, amino, or alkylamido having from 1 to 8 carbons, or a salt of said metal ion chelate.

<sup>5</sup> 59. A metal ion chelate according to claim <sup>4</sup> 58 wherein  $R_3$  is alkylene having from 2 to 6 carbons, or a salt of said metal ion chelate.

<sup>6</sup>  
~~60.~~ A metal ion chelate of N,N'-bis(pyridoxal-5-phosphate)ethylenediamine-N,N'-diacetic acid or a salt thereof, wherein the metal ion is as recited in claim <sup>1</sup>~~55~~, or a salt of said metal ion chelate.

<sup>7</sup>  
~~61.~~ A metal ion chelate according to claim <sup>4</sup>~~58~~ wherein R<sub>3</sub> is cyclohexyl, or a salt of said metal ion chelate.

<sup>8</sup>  
~~62.~~ A metal ion chelate of N,N'-bis(pyridoxal-5-phosphate)-trans-1,2-cyclohexyldiamine-N,N'-diacetic acid or a salt thereof, wherein the metal ion is as recited in claim <sup>1</sup>~~55~~, or a salt of said metal ion chelate.

<sup>9</sup>  
~~63.~~ A metal ion chelate according to claim <sup>1</sup>~~55~~ wherein the metal ion is divalent or trivalent, or a salt of said metal ion chelate.

<sup>10</sup>  
~~64.~~ A metal ion chelate according to claim <sup>1</sup>~~55~~ wherein the metal ion is chromium (III), manganese (II), iron (III), iron (II), cobalt (II), nickel (II), copper (II), praseodymium (III), neodymium (III), samarium (III), ytterbium (III), gadolinium (III), terbium (III), dysprosium (III), holmium (III), or erbium (III), or a salt of said metal ion chelate.

<sup>11</sup>  
~~65.~~ A metal ion chelate according to claim <sup>1</sup>~~55~~ wherein the metal ion is manganese (II), or a salt of said metal ion chelate.

<sup>12</sup>  
~~66.~~ A manganese (II) chelate of N,N'-bis(pyridoxal-5-phosphate)ethylenediamine-N,N'-diacetic acid or a salt thereof, or a salt of said manganese (II) chelate.

<sup>13</sup>  
~~67.~~ A manganese (II) chelate of N,N'-bis(pyridoxal-5-phosphate)-trans-1,2-cyclohexyldiamine-N,N'-diacetic acid or a salt thereof, or a salt of said manganese (II) chelate.